



# Anti-KRT8 monoclonal antibody, clone I2 (DCABH-12161)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis.
<b>Immunogen</b>	Cytoskeleton preparation containing cytokeratin 8.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Rat, Zebrafish
<b>Clone</b>	I2
<b>Purification</b>	Protein A/G affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot; Immunohistochemistry; Immunofluorescence; Immunoprecipitation; Flow Cytometry
<b>Format</b>	Liquid
<b>Size</b>	1 ea
<b>Buffer</b>	In PBS, pH 7.4 (0.05% BSA, 0.05% sodium azide)
<b>Storage</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Warnings</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

# GENE INFORMATION

<b>Gene Name</b>	<a href="#">KRT8 keratin 8 [ Homo sapiens ]</a>
<b>Official Symbol</b>	KRT8
<b>Synonyms</b>	KRT8; keratin 8; keratin, type II cytoskeletal 8; CARD2; CK8; CYK8; K2C8; K8; KO; cytokeratin 8; cytokeratin-8; type-II keratin Kb8; CK-8;
<b>Entrez Gene ID</b>	<a href="#">3856</a>
<b>mRNA Refseq</b>	<a href="#">NM_001256282</a>
<b>Protein Refseq</b>	<a href="#">NP_001243211</a>
<b>MIM</b>	<a href="#">148060</a>
<b>UniProt ID</b>	<a href="#">Q7L4M3</a>
<b>Chromosome Location</b>	12q13
<b>Pathway</b>	EGFR1 Signaling Pathway, organism-specific biosystem; Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem;
<b>Function</b>	protein binding; structural molecule activity;